

this permit was originally issued to Emery Energy, now owned by Town Oil Co.

Missouri Oil and Gas Council

Form OGC-3

APPLICATION FOR PERMIT TO DRILL, DEEPEN, OR PLUG BACK

APPLICATION TO DRILL ☒

DEEPEN ☐

PLUG BACK ☐

for an oil well ☒

or gas well ☐

NAME OF COMPANY OR OPERATOR Town Oil Co.

DATE 12/6/85

Route 4

Paola

KS

66071

Address

City

State

DESCRIPTION OF WELL AND LEASE

Name of lease

Asjes

Well number

G-4

Elevation (ground)

1087

WELL LOCATION

(give footage from section lines)

1303 ft. from (N) (S) sec. line 972 ft from (E) (W) sec. line

WELL LOCATION

Section 4

Township 46N

Range 33W

County

CASS

Nearest distance from proposed location to property or lease line:

972 feet

Distance from proposed location to nearest drilling, completed or applied for well on the same lease:

215.5 feet

Proposed depth

680

Drilling contractor, name & address

Rotary or Cable Tools

Approx. date work will start

see note

Number of acres in lease:

110

Number of wells on lease, including this well, completed in or drilling to this reservoir:

Number of abandoned wells on lease:

If lease, purchased with one or more wells drilled, from whom purchased:

Name _____

Address _____

No. of Wells:

producing _____

injection _____

inactive _____

abandoned _____

Status of Bond

Single Well ☐ Amt. _____

Blanket Bond ☒ Amt. 20,000

☒ ON FILE

☐ ATTACHED

Remarks: (If this is an application to deepen or plug back, briefly describe work to be done, giving present producing zone and expected new producing zone) use back of form if needed.

Proposed casing program:

amt.	size	wt /ft.	cem.
<u>20'</u>	<u>7"</u>	<u>30 #</u>	<u>no</u>
<u>660'</u>	<u>2-3/8"</u>	<u>4.5</u>	<u>yes</u>

Approved casing -- To be filled in by State Geologist

amt.	size	wt /ft.	cem.
<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

I, the undersigned, state that I am the Partner of the Town Oil (company), and that I am authorized by said company to make this report, and that this report was prepared under my supervision and direction and that the facts stated therein are true, correct and complete to the best of my knowledge.

Signature

Luther Town

Permit Number 20181

Approval Date 12/6/85

Approved By Wallace B. Huns

Note. This Permit not transferable to any other person or to any other location.

Remit two copies to: Missouri Oil and Gas Council
P.O. Box 250 Rolla, Mo. 65401

One will be returned for driller's signature

☒ Drillers log required

☒ E-logs required if run

☒ Core analysis required if run

☒ Drill stem test info. required if run

☒ Samples required

☐ Samples not required

RECEIVED

WATER SAMPLES REQUIRED @

DEC 16 1985

Approval of this permit by the Oil and Gas Council does not constitute endorsement of the geologic merits of the proposed well nor endorsement of the qualifications of the permittee.

3/12/82

APPLICATION FOR PERMIT TO DRILL, DEEPEN OR PLUG BACK

APPLICATION TO DRILL ☒ DEEPEN ☐ PLUG BACK ☐NAME OF COMPANY OR OPERATOR Emery Energy, Inc. DATE 4-15-81R. R. 1 Box 390OsawatomieKansas 66064

Address

City

State

DESCRIPTION OF WELL AND LEASE

Name of lease <u>Asjes, Everet</u>	Well number <u>G-4</u>	Elevation (ground) <u>1087</u>
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WELL LOCATION (give footage from section lines)
1303 ft. from (N) ☒ sec. line 972 ft. from (E) (☒ sec. line)

WELL LOCATION
 Section 4 Township 46 Range 33 County Cass

Nearest distance from proposed location to property or lease line: 972 feet
 Distance from proposed location to nearest drilling, completed or applied - for well on the same lease: 215.5 feet

Proposed depth: 680 Rotary or Cable tools: Rotary Approx. date work will start: 4-20-81

Number of acres in lease: 110
 Number of wells on lease, including this well, completed in or drilling to this reservoir: 9
 Number of abandoned wells on lease: 0

If lease, purchased with one or more wells drilled, from whom purchased: Name McCowan Drilling No. of Wells: producing 1
 Address Mound City, Kansas inactive 0
 abandoned 0

Status of Bond

Single Well ☐ Amt. _____ Blanket Bond ☒ Amt. 20,000

☒ ON FILE
☐ ATTACHED

Remarks: (If this is an application to deepen or plug back, briefly describe work to be done, giving present producing zone and expected new producing zone) use back of form if needed.

Proposed casing program:				Approved casing - To be filled in by State Geologist			
amt.	size	wt./ft.	cem.	amt.	size	wt./ft.	cem.
<u>20'</u>	<u>2"</u>	<u>30#</u>	<u>no</u>				
<u>660</u>	<u>2-3/8</u>	<u>4.5</u>	<u>yes</u>				

I, the undersigned, state that I am the V-President of the Emery Energy, Inc. (company), and that I am authorized by said company to make this report; and that this report was prepared under my supervision and direction and that the facts stated therein are true, correct and complete to the best of my knowledge.

Signature

Alvan M. HurstPermit Number 20181Approval Date: 5/5/81Approved By: W.R. Wallace B. Howe☒ SAMPLES REQUIRED☐ SAMPLES NOT REQUIRED

Note: This Permit not transferable to any other person or to any other location.

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WATER SAMPLES REQUIRED @:

Remit two copies to: Missouri Oil and Gas Council
 P.O. Box 250 Rolla, Mo. 65401

APR 09 1981

One will be returned for driller's signature

MO. OIL & GAS COUNCIL

Approval of this permit by the Oil and Gas Council does not constitute endorsement of the geologic merits of the proposed well nor endorsement of the qualifications of the permittee.

MISSOURI OIL AND GAS COUNCIL

Form OGC-5

WELL COMPLETION OR RECOMPLETION REPORT AND WELL LOG

New Well ☒ Work-Over ☐ Deepen ☐ Plug Back ☐ Same Reservoir ☐ Different Reservoir ☐ Oil ☒ Gas ☐ Dry ☐

Owner Emery Energy		Address RR1 Box 390 Osawatomie, Mo	
Lease Name Asjes		Well Number G-4	
Location 1303' FNSL & 972' FESL		Sec. - TWP-Range or Block & Survey 4 46N 33W	
County Cass	Permit number (OGC3 number) 20181		
Date spudded 11-24-81	Date total depth reached 11-27-81	Date completed, ready to produce 12-9-81	Elevation (DF, RKB, RT or Gr.) feet 1087
Total depth 666.0	P. B. T. D. 660.5	Elevation of casing hd. flange Same as steel surface	
Producing interval (s) for this completion 595-610		Rotary tools used (interval) From 0 to TD Drilling Fluid used Water & Air	Cable tools used (interval) From None to
Was this well directionally drilled? NO	Was directional survey made? NO	Was copy of directional survey filed? NO	Date filed
Type of electrical or other logs run (list logs filed with the State Geologist) Gamma Ray / Neutron / CCL			Date filed 4/5/82

CASING RECORD

Casing (report all strings set in well—conductor, surface, intermediate, producing, etc.)

Purpose	Size hole drilled	Size casing set	Weight (lb/ft)	Depth set	Sacks cement	Amt pulled
Surface	9"	6 1/2"		17.6'		
Production	5 1/2"	2"		670'	88 + 4 gal	

TUBING RECORD

LINER RECORD

Size	Depth set	Packer set at	Size	Top	Bottom	Sacks cement	Screen (ft.)
1" in.	577.3 ft.	58' ft.		N/A	N/A	N/A	N/A

PERFORATION RECORD

ACID, SHOT, FRACTURE, CEMENT SQUEEZE RECORD

Number per ft	Size & type	Depth Interval	Amt. & kind of material used	Depth Interval
1	1/2" glass	586-587-588-	Water Gel- 2	clay- stable- 10
		589-590-591-	Sand- 20-40- 10	Sand 8-12- 10
		592-593-594-	Sand- 10-20- 10	Salt - 1
		595		

INITIAL PRODUCTION

Date of first production 1-15-82		Producing method (indicate if flowing, gas lift or pumping—if pumping, show size & type of pump:) #7 Churchill Pumping - See monthly production report				
Date of test None	Hrs. tested na	Choke size na	Oil prod. during test na bbls.	Gas prod. during test na MCF	Water prod. during test na bbls.	Oil gravity 26 API (Corr.)

Tubing pressure 0	Casing pressure 0	Cal'd rate of Production per 24 hrs.	Oil 3 bbls.	Gas 0 MCF	Water 15 bbls.	Gas-oil ratio 0
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Disposition of gas (state whether vented, used for fuel or sold):

Used for fuel

Method of disposal of mud pit contents:

Hauled away

CERTIFICATE: I, the undersigned, state that I am the **V-Pres** of the **Emery Energy** (company), and that I am authorized by said company to make this report; and that this report was prepared under my supervision and direction and that the facts stated therein are true, correct and complete to the best of my knowledge.

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APR 22 1982

Signature

Devon M. Hurst

MO. OIL & GAS COUNCIL

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MAY 03 1982

MO. OIL & GAS COUNCIL

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APR 12 1982

MO. OIL & GAS COUNCIL

G-4

0-3 - soil
3-13 - clay
13-58 - lime
58-88 - shale
88-96 - lime
96-123 - shale
123-130 - lime
130-181 - shale
181-214 - lime
214-217 - carb. shale
217-241 - lime
241-244 - carb. shale
244-255 - lime (Heitha)
255-257 - shale
257-264 - lime
264-296 - shale
296-302 - sand
302-354 - shale
354-370 - sand
370-390 - shale
390-400 - lime
400-408 - sand
408-419 - shale
419-424 - lime
424-438 - shale
438-443 - lime
443-446 - carb. shale
446-451 - lime
451-453 - carb. shale
453-470 - lime
470-477 - sand
477-488 - shale
488-493 - lime
493-498 - carb. shale
498-510 - sand
510-547 - shale
547-596 - sand
596-622 - sandy shale
622-632 - sand
632-680 - shale T.D.